

IFW



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:
Schmitt, et al.

Serial No.: 10/812,717

Confirmation No.: Unknown

Filed: March 29, 2004

For: Deposition of Low
Dielectric Constant by N₂O
Addition

§
§
§ Group Art Unit: Unknown
§
§
§
§
§ Examiner: Unknown
§
§
§
§
§

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING 37 CFR 1.8	
I hereby certify that this correspondence is being deposited on <u>6/25</u> , 2004 with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313- 1450.	
<u>6/25/04</u> Date	<u>[Signature]</u> Signature

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No.20-0782/AMAT/8568/KMT.

Respectfully submitted,



Keith M. Tackett
Registration No. 32,008
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant(s)

282654_1

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 5

Application Number	10/812,717
Filing Date	MARCH 29, 2004
First Named Inventor	SCHMITT, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/8568/DSM/BCVD/JW
Submission Date	June 25, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-6,737,365 B1	05/18/2004	Kloster, et al.	
	A2	US-6,734,533 B2	05/11/2004	Wong	
	A3	US-6,677,253 B2	01/13/2004	Andideh, et al.	
	A4	US-6,673,725 B2	01/06/2004	Shioya, et al.	
	A5	US-6,652,922 B1	11/25/2003	Forester, et al.	
	A6	US-6,645,883 B2	11/11/2003	Yamamoto, et al.	
	A7	US-6,642,157 B2	11/04/2003	Shioya, et al.	
	A8	US-6,627,532 B1	09/30/2003	Gaillard, et al.	
	A9	US-6,605,549 B2	08/12/2003	Leu, et al.	
	A10	US-6,596,627 B2	07/22/2003	Mandal	
	A11	US-6,593,655 B1	07/15/2003	Loboda, et al.	
	A12	US-6,593,247 B1	07/15/2003	Huang, et al.	
	A13	US-6,592,974 B2	07/15/2003	Miki, et al.	
	A14	US-6,583,071 B1	06/24/2003	Weidman, et al.	
	A15	US-6,583,048 B2	06/24/2003	Vincent, et al.	
	A16	US-6,582,777 B1	06/24/2003	Ross, et al.	
	A17	US-6,548,899 B2	04/15/2003	Ross	
	A18	US-6,541,367 B1	04/01/2003	Mandal	
	A19	US-6,524,974 B1	02/25/2003	Sukharev	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	WO 01/61737 A1	08/23/2001	Ross, et al.		
	B2	WO 01/29052 A1	04/26/2001	Hacker		
	B3	WO 97/00535 A1	01/03/1997	Forester, et al.		
	B4	EP 1 354 980 A1	10/22/2003	Vrtis, et al.		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/812,717
				Filing Date	MARCH 29, 2004
				First Named Inventor	SCHMITT, ET AL.
				Group Art Unit	UNKNOWN
				Examiner Name	UNKNOWN
				Attorney Docket Number	AMAT/8568/DSM/BCVD/JW
Sheet	2	of	5	Submission Date	June 25, 2004

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A20	US-6,514,880 B2	02/04/2003	Matsuki, et al.	
	A21	US-6,509,259 B1	01/21/2003	Wang, et al.	
	A22	US-6,500,773 B1	12/31/2002	Gaillard, et al.	
	A23	US-6,486,082 B1	11/26/2002	Cho, et al.	
	A24	US-6,479,110 B2	11/12/2002	Grill, et al.	
	A25	US-6,479,408 B2	11/12/2002	Shioya, et al.	
	A26	US-6,455,445 B2	09/24/2002	Matsuki	
	A27	US-6,444,136 B1	09/03/2002	Liu, et al.	
	A28	US-6,441,491 B1	08/27/2002	Grill, et al.	
	A29	US-6,437,443 B1	08/20/2002	Grill, et al.	
	A30	US-6,432,846 B1	08/13/2002	Matsuki	
	A31	US-6,410,463 B1	06/25/2002	Matsuki	
	A32	US-6,383,955 B1	05/07/2002	Matsuki, et al.	
	A33	US-6,352,945 B1	03/05/2002	Matsuki, et al.	
	A34	US-6,340,628 B1	01/22/2002	Van Cleemput, et al.	
	A35	US-6,316,063 B1	11/13/2001	Andideh, et al.	
	A36	US-6,312,793 B1	11/06/2001	Grill, et al.	
	A37	US-6,303,047 B1	10/16/2001	Aronowitz, et al.	
	A38	US-6,271,146 B1	08/07/2001	Ross	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B5	EP 0 935 283 A2	08/11/1999	Matsuki		
	B6	WO 99/21706 A1	05/06/1999	Lee, et al.		
	B7	WO 01/48805 A1	07/05/2001	Livesay, et al.		
	B8	DE 196 27 017 A1 (w/Eng. Abstract)	01/09/1997	Hoffman, et al.		X

Examiner	Date Considered
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number		10/812,717
				Filing Date		MARCH 29, 2004
				First Named Inventor		SCHMITT, ET AL.
				Group Art Unit		UNKNOWN
				Examiner Name		UNKNOWN
				Attorney Docket Number		AMAT/8568/DSM/BCVD/JW
Sheet	3	of	5	Submission Date		<u>June 25</u> , 2004

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A39	US-6,159,871	12/12/2000	Loboda, et al.	
	A40	US-6,080,526	06/27/2000	Yang, et al.	
	A41	US-6,068,884	05/30/2000	Rose, et al.	
	A42	US-6,057,251	05/02/2000	Goo, et al.	
	A43	US-6,054,379	04/25/2000	Yau, et al.	
	A44	US-6,051,321	4/18/2000	Lee, et al.	
	A45	US-5,989,998	11/23/1999	Sugahara, et al.	
	A46	US-5,776,990	07/07/1998	Hedrick, et al.	
	A47	US-5,554,570	09/10/1996	Maeda, et al.	
	A48	US-5,003,178	03/26/1991	Livesay	
	A49	US-5,000,113	03/19/1991	Wang, et al.	
	A50	US-4,845,054	07/4/1989	Mitchener	
	A51	US-2004/0101633 A1	05/27/2004	Zheng, et al.	
	A52	US-2004/0101632 A1	05/27/2004	Zhu, et al.	
	A53	US-2004/0096672 A1	05/20/2004	Lukas, et al.	
	A54	US-2004/0096593 A1	05/20/2004	Lukas, et al.	
	A55	US-2004/0076764 A1	04/22/2004	Forester, et al.	
	A56	US-2003/0232495	12/18/2003	Moghadam, et al.	
	A57	US-2003/0232137 A1	12/18/2003	Vrtis, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B9	DE 196 547 737 A1	07/03/1997	Hoffman, et al.		X
	B10					
	B11					
	B12					

Examiner	Date Considered
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/812,717
				Filing Date	MARCH 29, 2004
				First Named Inventor	SCHMITT, ET AL.
				Group Art Unit	UNKNOWN
				Examiner Name	UNKNOWN
				Attorney Docket Number	AMAT/8568/DSM/BCVD/JW
Sheet	4	of	5	Submission Date	June 25, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A58	US-2003/0224593 A1	12/04/2003	Wong	
	A59	US-2003/0211728 A1	11/13/2003	Mandal	
	A60	US-2003/0211244 A1	11/13/2003	Li, et al.	
	A61	US-2003/0198742 A1	10/23/2003	Vrtis, et al.	
	A62	US-2003/0176030 A1	09/18/2003	Tsuji, et al.	
	A63	US-2003/0116421 A1	06/26/2003	Xu, et al.	
	A64	US-2003/0111712 A1	06/19/2003	Andideh	
	A65	US-2003/0224593 A1	12/04/2003	Wong	
	A66	US-2003/0109136 A1	06/12/2003	Shioya, et al.	
	A67	US-2003/0104708 A1	06/05/2003	Cho, et al.	
	A68	US-2003/0104689 A1	06/05/2003	Shioya, et al.	
	A69	US-2003/0040195 A1	02/27/2003	Chang, et al.	
	A70	US-2003/0017718 A1	01/23/2003	Aoi	
	A71	US-2003/0008998 A1	01/09/2003	Aoi	
	A72	US-2002/0197849 A1	12/26/2002	Mandal	
	A73	US-2002/0180051 A1	12/05/2002	Grill, et al.	
	A74	US-2002/0160626 A1	10/31/2002	Matsuki, et al.	
	A75	US-2002/0142585 A1	10/03/2002	Mandal	
	A76	US-2002/0142579 A1	10/03/2002	Vincent, et al.	
	A77	US-2002/0098714 A1	07/25/2002	Grill, et al.	
	A78	US-2002/0037442 A1	03/28/2002	Grill, et al.	
	A79	US-2001/0051445 A1	12/13/2001	Shioya, et al.	
	A80				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B13					

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/812,717
				Filing Date	MARCH 29, 2004
				First Named Inventor	SCHMITT, ET AL.
				Group Art Unit	UNKNOWN
				Examiner Name	UNKNOWN
				Attorney Docket Number	AMAT/8568/DSM/BCVD/JW
Sheet	5	of	5	Submission Date	<u>June 23</u> , 2004

NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner	Date Considered
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.** *If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*